



PATENT - US

Serial No. 08 972,659 Atty. Docket No. 4031 Atty. REF
Title METHOD FOR PROVIDING ENHANCED PHOTOSYNTHESIS
(Glenn, et al)

Receipt of the following is acknowledged by the USPTO on the date stamped hereon.

- | | | |
|---|---|--|
| <input type="checkbox"/> Patent Appl. | <input type="checkbox"/> Completion of Filing Req. | <input type="checkbox"/> Response to Office Action |
| <input type="checkbox"/> <u> </u> Pgs. Spec & Abstract | <input type="checkbox"/> Petition to Extend <u> </u> Mos. | <input type="checkbox"/> Notice of Appeal |
| <input type="checkbox"/> <u> </u> Pages of Claims | <input type="checkbox"/> Preliminary Amendment | <input type="checkbox"/> Amendment Under 37 CFR <u> </u> |
| <input type="checkbox"/> <u> </u> Sheets of Drawings | <input type="checkbox"/> Petition Under 37 CFR <u> </u> | <input checked="" type="checkbox"/> Info. Disclosure, PTO 1449, <u>106</u> Refs. |
| <input type="checkbox"/> Formal <input type="checkbox"/> Informal | <input type="checkbox"/> Request for Corrected Filing Receipt | <input type="checkbox"/> Internat'l Search Report, <u> </u> Refs. |
| <input type="checkbox"/> Oath or <input type="checkbox"/> Declaration | <input type="checkbox"/> Issue Fee Transmittal | <input type="checkbox"/> Maintenance Fee Transmittal |
| <input type="checkbox"/> 37 CFR 1.60 Application | <input type="checkbox"/> Request for Cert. of Corr. | |
| <input type="checkbox"/> Div. <input type="checkbox"/> Cont. | | |
| <input type="checkbox"/> 37 CFR 1.62 FWC Application | | |
| <input checked="" type="checkbox"/> Transmittal Letter | | |
| <input checked="" type="checkbox"/> Certificate of Mailing | | |
| <input checked="" type="checkbox"/> Auth to Charge Dep. Account | | |
| <input type="checkbox"/> Assignment for Recording | | |
| <input type="checkbox"/> Recordation Cover Sheet | | |
| <input checked="" type="checkbox"/> <u>IDS</u> | | |
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PATENT - US

Serial No. 08/972,659 Atty. Docket No. 4030B Atty. REF
Title METHOD FOR PROVIDING ENHANCED PHOTOSYNTHESIS
(Glenn, et al)

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| <input type="checkbox"/> <u> </u> Sheets of Drawings | <input type="checkbox"/> Petition Under 37 CFR <u> </u> | <input checked="" type="checkbox"/> Info. Disclosure, PTO 1449, <u>106</u> Refs. |
| <input type="checkbox"/> Formal <input type="checkbox"/> Informal | <input type="checkbox"/> Request for Corrected Filing Receipt | <input type="checkbox"/> Internat'l Search Report, <u> </u> Refs. |
| <input type="checkbox"/> Oath or <input type="checkbox"/> Declaration | <input type="checkbox"/> Issue Fee Transmittal | <input type="checkbox"/> Maintenance Fee Transmittal |
| <input type="checkbox"/> 37 CFR 1.60 Application | <input type="checkbox"/> Request for Cert. of Corr. | |
| <input type="checkbox"/> Div. <input type="checkbox"/> Cont. | | |
| <input type="checkbox"/> 37 CFR 1.62 FWC Application | | |
| <input checked="" type="checkbox"/> Transmittal Letter | | |
| <input checked="" type="checkbox"/> Certificate of Mailing | | |
| <input checked="" type="checkbox"/> Auth to Charge Dep. Account | | |
| <input type="checkbox"/> Assignment for Recording | | |
| <input type="checkbox"/> Recordation Cover Sheet | | |
| <input checked="" type="checkbox"/> <u>IDS</u> | | |
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573 U.S. PTO

02/05/98

FEB 2 1008

Attorney's Docket No. 4030B



PATENT

Box Patent Application
Commissioner of Patents and Trademarks
Washington, D. C. 20231

NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of Inventor(s):

**DAVID MICHAEL GLENN, SHEPHERDSTOWN, WV;
DENNIS G. SEKUTOWSKI, STOCKTON, NJ; GARY J. PUTERKA,
SHEPHERDSTOWN, WV.**

For (Title): **METHOD FOR PROVIDING ENHANCED PHOTOSYNTHESIS**

1. Type of Application

This new application is for an

- ☐ Original
- ☐ Design
- ☐ Divisional
- ☐ Continuation
- ☒ Continuation-in-part (CIP)

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JUN 05 2007

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2. Benefit of Prior U.S. Application(s) (35 U.S.C. 120)

- ☒ The new application being transmitted claims the benefit of prior U.S. application(s) and enclosed are **ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.**

Certification under 37 CFR 1.10

I hereby certify that this New Application Transmittal request and the documents referred to as attached therein are being deposited with the United States Postal Service on November 18, 1997 in an envelope as "Express Mail Post Office to Addressee" service under 37 CFR 1.10, Mailing Label Number EM361217463 Label Number addressed to the Assistant Commissioner of Patents and Trademarks, Washington, D.C. 20231-0001.

EM361217463US

Janet Szot

3. Papers Enclosed which are required for filing date under 37 CFR 1.53(b) Regular) or 37 CFR 1.153 (Design) Application.

21 Pages of specification

4 Pages of claims

1 Pages of Abstract

_____ Sheets of Drawing

☐ Formal

☐ Informal

☐ The enclosed drawing(s) are photograph(s), and there is also attached a "PETITION TO ACCEPT PHOTOGRAPH(S) AS DRAWING(S)". 37 CFR 1.84(b)

4. Additional papers enclosed:

☐ Preliminary Amendment

☐ Information Disclosure Statement (37 CFR 1.98)

☐ Form PTO-1449

☐ Citations

☐ Other

5. Declaration or oath

☐ Enclosed - signed by inventors

☒ Not enclosed.

6. Inventorship Statement

The inventorship for all the claims in this application are:

☒ The same

or

☐ Not the Same. An explanation, including the ownership of the various claims at the time the last claimed invention was made,

☐ is submitted

☒ will be submitted later.

7. Language -
☒ English

8. Assignment

- ☐ an assignment of the invention
☐ is attached. a Separate "cover sheet for assignment document
accompanying new patent application, or form PTO 1595 is also attached
☒ will follow

9. Certified Copy of Application(s) from which priority is claimed:

☐ is attached

☐ will follow

10. Fee Calculation (37 CFR 1.16)

A. ☒ Regular application

CLAIMS AS FILED					
Number filed		Number Extra		Rate	Basic Fee 37 CFR 1.16(a) \$ 790.00
Total Claims	17	-20 =	X	22.00	\$ -0-
Independent Claims	2	- 3 =	X	82.00	-0-
Multiple dependent claims (if any) 1				270.00	\$ 270.00
Total Basic Filing Fee					\$1,060.00

11. Fee payment being made at this time

☒ Basic Filing Fee \$1,060.00
☐ Recording Assignment \$

12. Charge Account No. 05-1070 in the amount of

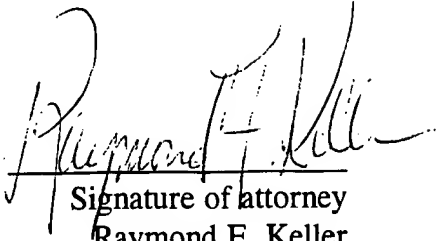
\$1,060.00

13. Commissioner is hereby authorized to charge any additional fees required by this paper and during the entire pendency of this application to Account No. 05-1070.

14. Credit any overpayment to Account No. 05-1070.

Reg.No. 28,960

Tel. No. (732) 205-5937

A handwritten signature in dark ink, appearing to read "Raymond F. Keller", written over a horizontal line.

Signature of attorney
Raymond F. Keller

Engelhard Corporation

101 Wood Avenue

P.O. Box 770

Iselin, New Jersey 08830

ADDED PAGES FOR APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED

NOTE: "In order for an application to claim the benefit of a prior filed copending national application, the prior application must name as an inventor at least one inventor named in the later filed application and disclose the named inventor's invention claimed in at least one claim of the later filed application in the manner provided by the first paragraph of 35 U.S.C. 112." 37 CFR 1.78(a).

NOTE: "In addition the prior application must be (1) complete as set forth in § 1.51, or (2) entitled to a filing date as set forth in § 1.53(b) and include the basic filing fee set forth in § 1.16; or (3) entitled to a filing date as set forth in § 1.53(b) and have paid therein the processing and retention fee set forth in § 1.21(f) within the time period set forth in § 1.53(d)." 37 CFR 1.78(a).

17. Relate Back

WARNING: If an application claims the benefit of the filing date of an earlier filed application under 35 U.S.C. 120, 121 or 365(c), the 20-year term of that application will be based upon the filing date of the earliest U.S. application that the application makes reference to under 35 U.S.C. 120, 121 or 365(c). (35 U.S.C. 154(a)(2) does not take into account, for the determination of the patent term, any application on which priority is claimed under 35 U.S.C. 119, 365(a) or 365(b).) For a c-i-p application, applicant should review whether any claim in the patent that will issue is supported by an earlier application and, if not, the applicant should consider canceling the reference to the earlier filed application. The term of a patent is not based on a claim-by-claim approach. See Notice of April 14, 1995, 60 Fed. Reg. 20,195, at 20,205.

(complete the following, if applicable)

☐ Amend the specification by inserting, before the first line, the following sentence:

A. 35 U.S.C. 119(e)

NOTE: "Any nonprovisional application claiming the benefit of one or more prior filed copending provisional applications must contain or be amended to contain in the first sentence of the specification following the title a reference to each such prior provisional application, identifying it as a provisional application, and including the provisional application number (consisting of series code and serial number)." 37 C.F.R. § 1.78(a)(4).

☐ "This application claims the benefit of U.S. Provisional Application(s) No(s).:

APPLICATION NO(S):

FILING DATE

____ / _____
____ / _____
____ / _____

____ "
____ "
____ "

B. 35 U.S.C. 120, 121 and 365(c)

NOTE: "Any nonprovisional application claiming the benefit of one or more prior filed copending nonprovisional applications or international applications designating the United States of America must contain or be amended to contain in the first sentence of the specification following the title a reference to each such prior application, identifying it by application number (consisting of the series code and serial number) or international application number and international filing date and indicating the relationship of the applications. Cross-references to other related applications may be made when appropriate. (See § 1.14(b))." 37 C.F.R. § 1.78(2).

- ☒ "This application is a
☐ continuation
☒ continuation-in-part
☐ divisional

of copending application(s)

- ☒ application number 08 / 812,301 filed on March 5, 1997
☐ International Application _____ filed on _____ and which designated the U.S."

NOTE: The proper reference to a prior filed PCT application that entered the U.S. national phase is the U.S. serial number and the filing date of the PCT application that designated the U.S.

NOTE: (1) Where the application being transmitted adds subject matter to the International Application, then the filing can be as a continuation-in-part or (2) if it is desired to do so for other reasons then the filing can be as a continuation.

- ☐ "The nonprovisional application designated above, namely application _____ / _____, filed _____, claims the benefit of U.S. Provisional Application(s) No(s).:

APPLICATION NO(S).:

FILING DATE

_____ / _____	_____ "
_____ / _____	_____ "
_____ / _____	_____ "

NOTE: The deadline for entering the national phase in the U.S. for an international application was clarified in the Notice of April 28, 1987 (1079 O.G. 32 to 46) as follows:

"The Patent and Trademark Office considers the International application to be pending until the 22nd month from the priority date if the United States has been designated and no Demand for International Preliminary Examination has been filed prior to the expiration of the 19th month from the priority date and until the 32nd month from the priority date if a Demand for International Preliminary Examination which elected the United States of America has been filed prior to the expiration of the 19th month from the priority date, provided that a copy of the international application has been communicated to the Patent and Trademark Office within the 20 or 30 month period respectively. If a copy of the international application has not been communicated to the Patent and Trademark Office within the 20 or 30 month period respectively, the international application becomes abandoned as to the United States 20 or 30 months from the priority date respectively. These periods have been placed in the rules as paragraph (h) of § 1.494 and paragraph (i) of § 1.495. A continuing application under 35 U.S.C. 365(c) and 120 may be filed anytime during the pendency of the international application."

18. Relate Back—35 U.S.C. 119 Priority Claim for Prior Application

The prior U.S. application(s), including any prior International Application designating the U.S., identified above in Item 17B, in turn itself claim(s) foreign priority(ies) as follows:

country	appln. no.	filed on
---------	------------	----------

The certified copy(ies) has (have)

- ☐ been filed on _____, in prior application 0 / _____, which was filed on _____
- ☐ is (are) attached.

WARNING: *The certified copy of the priority application that may have been communicated to the PTO by the International Bureau may not be relied on without any need to file a certified copy of the priority application in the continuing application. This is so because the certified copy of the priority application communicated by the International Bureau is placed in a folder and is not assigned a U.S. serial number unless the national stage is entered. Such folders are disposed of if the national stage is not entered. Therefore, such certified copies may not be available if needed later in the prosecution of a continuing application. An alternative would be to physically remove the priority documents from the folders and transfer them to the continuing application. The resources required to request transfer, retrieve the folders, make suitable record notations, transfer the certified copies, enter and make a record of such copies in the Continuing Application are substantial. Accordingly, the priority documents in folders of international applications that have not entered the national stage may not be relied on. Notice of April 28, 1987 (1079 O.G. 32 to 46).*

19. Maintenance of Copendency of Prior Application

NOTE: *The PTO finds it useful if a copy of the petition filed in the prior application extending the term for response is filed with the papers constituting the filing of the continuation application. Notice of November 5, 1985 (1060 O.G. 27).*

A. ☐ Extension of time in prior application

(This item must be completed and the papers filed in the prior application, if the period set in the prior application has run.)

- ☐ A petition, fee and response extends the term in the pending prior application until _____.
- ☐ A copy of the petition filed in prior application is attached.

B. ☐ Conditional Petition for Extension of Time in Prior Application

(complete this item, if previous item not applicable)

- ☐ A conditional petition for extension of time is being filed in the pending prior application.
- ☐ A copy of the conditional petition filed in the prior application is attached.

20. Further Inventorship Statement Where Benefit of Prior Application(s) Claimed

NOTE: "If the continuation, continuation-in-part, or divisional application is filed by less than all the inventors named in the prior application a statement must accompany the application when filed requesting deletion of the names of the person or persons who are not inventors of the invention being claimed in the continuation, continuation-in-part, or divisional application." 37 CFR 1.62(a) [emphasis added]. (dealing with the file wrapper continuation situation).

NOTE: "In the case of a continuation-in-part application which adds and claims additional disclosure by amendment, an oath or declaration as required by § 1.63 must be filed. In those situations where a new oath or declaration is required due to additional subject matter being claimed, additional inventors may be named in the continuing application. In a continuation or divisional application which discloses and claims only subject matter disclosed in a prior application, no additional oath or declaration is required and the application must name as inventors the same or less than all the inventors in the prior application." 37 CFR 1.60(c) (dealing with the continuation situation).

(complete applicable item (a), (b) and/or (c) below)

- (a) ☐ This application discloses and claims only subject matter disclosed in the prior application whose particulars are set out above and the inventor(s) in this application are

☐ the same.

☐ less than those named in the prior application. It is requested that the following inventor(s) identified for the prior application be deleted:

(type name(s) of inventor(s) to be deleted)

- (b) ☒ This application discloses and claims additional disclosure by amendment and a new declaration or oath is being filed. With respect to the prior application, the inventor(s) in this application are

☒ the same.

☐ the following additional inventor(s) have been added:

(type name(s) of inventor(s) to be added)

- (c) The inventorship for all the claims in this application are

☐ the same.

☐ not the same. An explanation, including the ownership of the various claims at the time the last claimed invention was made

☐ is submitted.

☐ will be submitted.

21. Abandonment of Prior Application (if applicable)

- ☐ Please abandon the prior application at a time while the prior application is pending, or when the petition for extension of time or to revive in that application is granted, and when this application is granted a filing date, so as to make this application copending with said prior application.

NOTE: According to the Notice of May 13, 1983 (103, TMOG 6-7), the filing of a continuation or continuation-in-part application is a proper response with respect to a petition for extension of time or a petition to revive and should include the express abandonment of the prior application conditioned upon the granting of the petition and the granting of a filing date to the continuing application.

22. Petition for Suspension of Prosecution for the Time Necessary to File an Amendment

WARNING: "The claims of a new application may be finally rejected in the first Office action in those situations where (1) the new application is a continuing application of, or a substitute for, an earlier application, and (2) all the claims of the new application (a) are drawn to the same invention claimed in the earlier application, and (b) would have been properly finally rejected on the grounds of art of record in the next Office action if they had been entered in the earlier application." MPEP, § 706.07(b).

NOTE: Where it is possible that the claims on file will give rise to a first action final for this continuation application and for some reason an amendment cannot be filed promptly (e.g., experimental data is being gathered) it may be desirable to file a petition for suspension of prosecution for the time necessary.

(check the next item, if applicable)

- ☐ There is provided herewith a Petition To Suspend Prosecution for the Time Necessary to File An Amendment (New Application Filed Concurrently)

23. Small Entity (37 CFR § 1.28(a))

- ☐ Applicant has established small entity status by the filing of a verified statement in parent application / _____ on _____ .
- ☐ A copy of the verified statement previously filed is included.

WARNING: "Status as a small entity in one application or patent does not affect any other application or patent, including applications or patents which are directly or indirectly dependent upon the application or patent in which the status has been established. Applications filed as continuations, divisions or continuations-in-part of a parent application must include a reference to a verified statement filed in the parent application if status as a small entity is still proper and desired." 37 CFR § 1.28(a).

24. NOTIFICATION IN PARENT APPLICATION OF THIS FILING

- ☒ A notification of the filing of this
(check one of the following)

- ☐ continuation
☒ continuation-in-part
☐ divisional

is being filed in the parent application, from which this application claims priority under 35 U.S.C. § 120.